

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.



00862.022173

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
	:	Examiner: K.T. Nguyen
Yasuhiro SHIMADA et al.	)	
	:	Group Art Unit: 2881
Application No.: 09/819,906	)	
	:	Confirmation No.: 5368
Filed: March 29, 2001	)	
	:	Allowed: February 24, 2004
For: ELECTRON OPTICAL SYSTEM ARRAY,	)	
METHOD OF MANUFACTURING THE	:	March 4, 2004
SAME, CHARGED-PARTICLE BEAM	)	
EXPOSURE APPARATUS, AND DEVICE	:	
MANUFACTURING METHOD	)	

**Mail Stop ISSUE FEE**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

LETTER REQUESTING CONSIDERATION  
OF PAPERS TIMELY FILED

Sir:

Applicants have received a Notice of Allowance dated February 24, 2004, in the above-identified application. Applicants filed a Fourth Supplemental Information Disclosure Statement on November 6, 2003, a Fifth Supplemental Information Disclosure Statement on December 12, 2003, and a Sixth Supplemental Information Disclosure Statement on January 30, 2004, all prior to issuance of the Office Action on February 24, 2004. To date, those papers have not been indicated as being considered by the Examiner. Accordingly, Applicants request that the Examiner indicate his consideration of the material submitted in these Information Disclosure Statements by initialing and returning

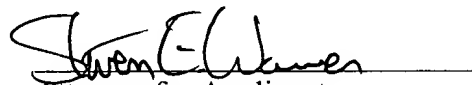
copies of the PTO-1449 forms attached to those Information Disclosure Statements.

Attached, for the Examiner's convenience, are copies of each of the Information Disclosure Statements, the PTO-1449 forms, and the U.S. Patent and Trademark Office date stamped postcard receipts indicating the filing of those papers on those dates.

Applicants believe that no fees should be incurred in connection with filing this paper. However, the Commissioner is authorized to charge Deposit Account No. 06-1205, should any fees be associated herewith. A duplicate of this paper is enclosed for this purpose.

Applicants' undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should be directed to our address listed below.

Respectfully submitted,

  
Attorney for Applicants  
Steven E. Warner  
Registration No. 33,326

FITZPATRICK, CELLA, HARPER & SCINTO  
30 Rockefeller Plaza  
New York, New York 10112-3801  
Facsimile: (212) 218-2200

SEW/eab

DC\_MAIN 159559v1



Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Date 01/30/2004  
Mo. Day Yr.  
Atty. Docket 0082-00013  
Application 09/819,906

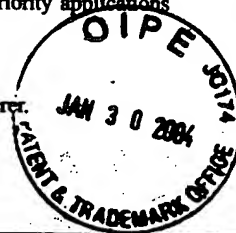
Sir:

Kindly acknowledge receipt of the accompanying:

- ☐ Response to Official Action. \_\_\_\_\_
- ☐ Check for \$ \_\_\_\_\_ (claims fee)
- ☐ Petition under 37 CFR 1.136 and Check for \$ \_\_\_\_\_
- ☐ Notice of Appeal and Check for \$ \_\_\_\_\_
- ☒ Information Disclosure Statement, PTO-1449 and nine (9) documents
- ☐ Claim for priority and certified copies of \_\_\_\_\_ priority applications
- ☐ Issue fee transmittal and Check for \$ \_\_\_\_\_
- ☐ Other (specify) \_\_\_\_\_

by placing your receiving date stamp hereon and returning to deliverer.

Atty. SAU/ELB Due Date \_\_\_\_\_  
Mo. Day Yr.



FOHS-D-00



00862.022173

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
Yasuhiro SHIMADA et al.	)	Examiner: K.T. Nguyen
Application No.: 09/819,906	)	Group Art Unit: 2881
Filed: March 29, 2001	)	Confirmation No.: 5368
For: ELECTRON OPTICAL SYSTEM ARRAY,	)	
METHOD OF MANUFACTURING THE	)	January 30, 2004
SAME, CHARGED-PARTICLE BEAM	)	
EXPOSURE APPARATUS, AND DEVICE	)	
MANUFACTURING METHOD	)	

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Further to the Information Disclosure Statement filed on October 23, 2001, the Supplemental Information Disclosure Statement filed on January 29, 2003, the Second Supplemental Information Disclosure Statement filed on June 4, 2003, the Third Supplemental Information Disclosure Statement filed on October 14, 2003, the Fourth Information Disclosure Statement filed on November 6, 2003, and the Fifth Information Disclosure Statement filed on December 12, 2003, and in compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed PTO-1449 form. Copies of the listed documents are also enclosed.

The Examiner's attention is also directed to copending U.S. patent application number 10/454,576, filed June 5, 2003. A copy of this application is also enclosed.

Applicants request that the above information be considered by the Examiner and that a copy of the enclosed PTO-1449 form be initialed and returned indicating that such information has been considered.

No fee is believed to be due with the filing of this paper. Nevertheless, the Commissioner is authorized to charge Deposit Account No. 06-1205 should any fee be deemed necessary for filing this paper.

Applicants' undersigned attorney may be reached in our Washington D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our address given below.

Respectfully submitted,

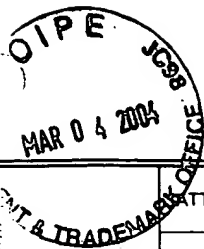


---

Attorney for Applicants  
Steven E. Warner  
Registration No. 33,326

FITZPATRICK, CELLA, HARPER & SCINTO  
30 Rockefeller Plaza  
New York, New York 10112-3801  
Facsimile: (212) 218-2200

SEW/eab



FORM PTO 1449 (modified)		ATTY DOCKET NO. 00862.022173		APPLICATION NO. 09/819,906			
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		APPLICANT Yasuhiro SHIMADA et al.					
LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)		FILING DATE March 29, 2001		GROUP 2881			
January 30, 2004							
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		2003/0209673 A1	11/13/2003	Ono et al.	250	396 R	
		US-6,188,074 B1	02/13/2001	Satoh et al.	250	492.22	
		2003/0094584 A1	05/22/2003	Yui et al.	250	492.22	
		2002/0009901 A1	01/24/2002	Maehara et al.	438	795	
		US-6,603,128 B2	08/05/2003	Maehara et al.	250	441.11	
		2002/0179855 A1	12/05/2002	Muraki	250	492.22	
		2002/0160311 A1	10/31/2002	Muraki et al.	430	296	
		US-6,617,595 B1	09/09/2003	Okunuki	250	492.22	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
EXAMINER			DATE CONSIDERED				

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

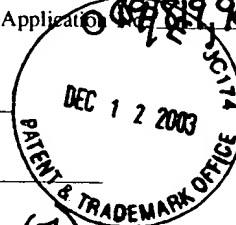
Date 12 / 12 / 2003  
Mo. Day Yr.  
Atty. Docket 008-2-02073  
Application 09/819,906

Sir: Kindly acknowledge receipt of the accompanying:

- ☐ Response to Official Action. \_\_\_\_\_
- ☐ Check for \$ \_\_\_\_\_ (claims fee)
- ☐ Petition under 37 CFR 1.136 and Check for \$ \_\_\_\_\_
- ☐ Notice of Appeal and Check for \$ \_\_\_\_\_
- ☒ Information Disclosure Statement, PTO-1449 and seven (7) documents
- ☐ Claim for priority and certified copies of \_\_\_\_\_ priority applications
- ☐ Issue fee transmittal and Check for \$ \_\_\_\_\_
- ☐ Other (specify) \_\_\_\_\_

by placing your receiving date stamp hereon and returning to deliverer.

Atty. SAUL LOB Due Date \_\_\_\_\_  
Mo. Day Yr.



FOHS-D-00





00862.022173

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
	:	Examiner: K.T. Nguyen
Yasuhiro SHIMADA et al.	)	
	:	Group Art Unit: 2881
Application No.: 09/819,906	)	
	:	Confirmation No.: 5368
Filed: March 29, 2001	)	
	:	
For: ELECTRON OPTICAL SYSTEM ARRAY,	)	
METHOD OF MANUFACTURING THE	:	December 12, 2003
SAME, CHARGED-PARTICLE BEAM	)	
EXPOSURE APPARATUS, AND DEVICE	:	
MANUFACTURING METHOD	)	

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Further to the Information Disclosure Statement filed on October 23, 2001, the Supplemental Information Disclosure Statement filed on January 29, 2003, the Second Supplemental Information Disclosure Statement filed on June 4, 2003, the Third Supplemental Information Disclosure Statement filed on October 14, 2003, and the Fourth Information Disclosure Statement filed on November 6, 2003, and in compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed PTO-1449 form. Copies of the listed documents are also enclosed.

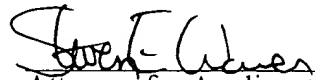
U.S. Patent Nos. 4,419,182, 4,569,033 and 5,260,579 were cited in a Notice of Art Cited by the Examiner (PTO-892 Form) attached to a Notice Allowance issued November 10, 2003, in copending U.S. patent application number 09/819,737.

Applicants request that the above information be considered by the Examiner and that a copy of the enclosed PTO-1449 form be initialed and returned indicating that such information has been considered.

No fee is believed to be due with the filing of this paper. Nevertheless, the Commissioner is authorized to charge Deposit Account No. 06-1205 should any fee be deemed necessary for filing this paper.

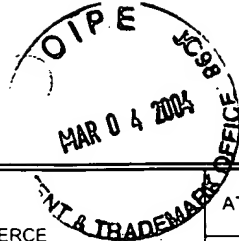
Applicants' undersigned attorney may be reached in our Washington D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our address given below.

Respectfully submitted,

  
\_\_\_\_\_  
Attorney for Applicants  
Steven E. Warner  
Registration No. 33,326

FITZPATRICK, CELLA, HARPER & SCINTO  
30 Rockefeller Plaza  
New York, New York 10112-3801  
Facsimile: (212) 218-2200

SEW/eab



FORM PTO 1449 (modified)		ATTY DOCKET NO. 00862.022173		APPLICATION NO. 09/819,906	
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		APPLICANT Yasuhiro SHIMADA et al.			
LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)		FILING DATE March 29, 2001		GROUP 2881	
December 12, 2003					
U.S. PATENT DOCUMENTS					
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS SUBCLASS FILING DATE IF APPROPRIATE
		US-4,569,033	02/04/1986	Collins et al.	364 845
		US-5,260,579	11/09/1993	Yasuda et al.	250 492.2
		US-4,419,182	12/06/1983	Westerberg et al.	156 644
		US-4,607,167	08/19/1986	Petric	250 492.2
		US-6,072,251	06/06/2000	Markle	310 12
FOREIGN PATENT DOCUMENTS					
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS SUBCLASS TRANSLATION YES/NO/ OR ABSTRACT
		2001-126651	05/11/2001	Japan	Abstract
		6-44093	02/18/1994	Japan	Partial
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)					
EXAMINER			DATE CONSIDERED		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Date 11 / 6 2003  
Mo. Day Yr.  
Atty. Docket 0082-022173  
Application 07/819,906

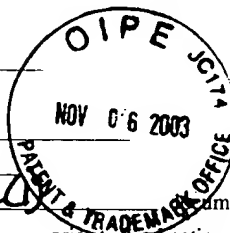
Sir:

Kindly acknowledge receipt of the accompanying:

- ☐ Response to Official Action. \_\_\_\_\_
- ☐ Check for \$ \_\_\_\_\_ (claims fee)
- ☐ Petition under 37 CFR 1.136 and Check for \$ \_\_\_\_\_
- ☐ Notice of Appeal and Check for \$ \_\_\_\_\_
- ☒ Information Disclosure Statement, PTO-1449 and one documents
- ☐ Claim for priority and certified copies of \_\_\_\_\_ priority applications
- ☐ Issue fee transmittal and Check for \$ \_\_\_\_\_
- ☐ Other (specify) \_\_\_\_\_

by placing your receiving date stamp hereon and returning to deliverer.

Atty. SAWJEDB Due Date \_\_\_\_\_  
Mo. Day Yr.



FOHS-D-00



00862.022173

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
	:	Examiner: K.T. Nguyen
Yasuhiro SHIMADA et al.	)	
	:	Group Art Unit: 2881
Application No.: 09/819,906	)	
	:	Confirmation No.: 5368
Filed: March 29, 2001	)	
	:	
For: ELECTRON OPTICAL SYSTEM ARRAY,	)	
METHOD OF MANUFACTURING THE	:	November 6, 2003
SAME, CHARGED-PARTICLE BEAM	)	
EXPOSURE APPARATUS, AND DEVICE	:	
MANUFACTURING METHOD	)	

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Further to the Information Disclosure Statement filed on October 23, 2001, the Supplemental Information Disclosure Statement filed on January 29, 2003, the Second Supplemental Information Disclosure Statement filed on June 4, 2003, and the Third Supplemental Information Disclosure Statement filed on October 14, 2003, and in compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the document listed on the enclosed PTO-1449 form. Copies of the listed document and its English translation are also enclosed.

Applicants request that the above information be considered by the Examiner and that a copy of the enclosed PTO-1449 form be initialed and returned indicating that such information has been considered.

No fee is believed to be due with the filing of this paper. Nevertheless, the Commissioner is authorized to charge Deposit Account No. 06-1205 should any fee be deemed necessary for filing this paper.

Applicants' undersigned attorney may be reached in our Washington D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our address given below.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read "Steven E. Warner", is written over a horizontal line.

Attorney for Applicants  
Steven E. Warner  
Registration No. 33,326

FITZPATRICK, CELLA, HARPER & SCINTO  
30 Rockefeller Plaza  
New York, New York 10112-3801  
Facsimile: (212) 218-2200

SEW/eab

